

## Programme

NB: Invited talks (\* below) are 30min + 5min for questions  
 Contributed talks are 15min + 3min for questions  
 Poster talks are 1min (max 1 slide to be provided to the organisers **by Monday 24th July**; email to [smg20.workshop@gmail.com](mailto:smg20.workshop@gmail.com)). Poster boards are A0 size, in portrait orientation.

### Monday July 31st

**10.00 – 11.00 Registration & Coffee**

**11.00 – 12.40 Talks, chaired by Rob Ivison**

**Welcome & logistics** (Ian Smail)

**Loretta Dunne\***: *Galaxy evolution: the Herschel perspective*

**James Geach**: *The SCUBA-2 Cosmology Legacy Survey and beyond*

**Scott Chapman**: *Identifying the brightest galaxies in the SCUBA2 Cosmology Legacy Survey*

**Steven Duivenvoorden**: *Red, redder, reddest: SCUBA-2 imaging of colour-selected Herschel sources*

**12.40 – 13.50 Lunch break**

**13.50 – 15.10 Talks, chaired by Caitlin Casey**

**Kotaro Kohno\***: *Multi-wavelength surveys of dusty star-forming galaxies using AzTEC, SCUBA2, Subaru, and ALMA*

**James Simpson**: *S2COSMOS; an ongoing survey to uncover >1000 sub-mm sources in COSMOS*

**Wei-Hao Wang**: *STUDIES (SCUBA-2 Ultra Deep Imaging EAO Survey) Current Status and Results*

**Poster talks:**

**Drew Brisbin**: *An ALMA survey of SMG redshift distributions and the effect of survey depth*

**Maciej Koprowski**: *IR Luminosity Function & Star Formation Rate Density at  $z=0.5-4.5$  from SCUBA-2 and ALMA*

**Darko Donevski**: *Unveiling High- $z$  Dusty Galaxies In The HeViCS Field*

**Joshua Greenslade**: *Understanding the population of the highest redshift SMGs: Selection, confirmation, and optical counterparts from SERVS*

**Tom Bakx**: *HerBS sample: Expanding current lensed SMG samples*

**Hao-Yi Wu**: *Physical and empirical models of SMGs and cosmic far-infrared background*

**David Clements**: *HERUS: A Herschel Survey of low redshift SMGs*

**Laia Barrufet**: *High- $z$  population at the NEP*

**15.10 – 15.50 Break**

**15.50 – 17.10 Talks, chaired by Jacqueline Hodge**

**Bunyo Hatsukade**: *Number counts of submillimeter sources revealed with ALMA surveys*

**Alejandra Muñoz Arancibia**: *Lensing-corrected 1.1mm number counts in the ALMA Frontier Fields Survey*

**Desika Narayanan\***: *Forming submillimetre galaxies: the bane of galaxy formation theory*

**Poster talks:**

**Cristina Garcia-Vergara**: *Clustering of submillimeter galaxies*

**William Pearson**: *The Main Sequence of Star Forming Galaxies Beyond Herschel's Confusion Limit*

**Eric Faustino Jiménez-Andrade**: *Size evolution of star forming galaxies in the COSMOS field*

**Fangxia An**: *A machine-learning method for identifying multi-wavelength counterparts of submillimeter galaxies*

**Patrick Drew**: *Kinematics of DSFGs at  $z\sim 1.5$*

**Alasdair Thomson**: *The complex multi-frequency radio properties of ALMA-identified  $z>2$  starburst galaxies*

**Yiping Ao**: *Deep submm and radio observations towards the LABs in SSA22*

**17.10 End**

**Tuesday August 1st****9.00 – 10.35 Talks, chaired by Andrew Blain****Amy Barger\***: *From Single-dish to ALMA: Characterizing Dusty Galaxies***Aaron Wilkinson**: *Clustering of High-Redshift Submillimetre Galaxies; are they the Progenitors of Massive Elliptical Galaxies?***Wiphu Rujopakarn**: *ALMA and JVLA imaging of intense galaxy-wide star formation in  $z \sim 2$  galaxies in the HUDF: bridging SMGs to the Main Sequence***Alexander Karim**: *Rapidly spinning gas disks observed towards massive  $z \sim 4.5$  red sequence progenitors***Poster talks:****Lichen Liang**: *The FIR and dust properties of the MassiveFire Galaxies at high redshift***Ana Trcka**: *Submillimeter galaxies in the EAGLE suite of simulations***Chain-Chou Chen**: *A spatially-resolved study of cold dust, molecular gas, HII regions and stars on a  $z=2.123$  submillimeter galaxy ALESS67.1***Hugo Messias**: *H1429-0028: a case for a lensed wet-dry major merger***10.35 – 11.10 Break****11.10 – 12.40 Talks, chaired by Alexandra Pope****Paul van der Werf\***: *Interpretation of the astrophysical properties of high-redshift populations based on results from studies of local galaxies with Herschel/JCMT/etc***Allison Kirkpatrick**: *Why are Distant Dusty Galaxies Colder than Their Local Counterparts?***David Sanders**: *New IR-Submm Spectral Energy Distributions for (U)LIRGs from Spitzer-WISE-Herschel Data***Steve Maddox**: *Revealing the inner secrets of BADGRS in the very local Universe***12.40 – 13.45 Lunch break****13.45 – 15.20 Talks, chaired by Douglas Scott****Nick Scoville\***: *Evolution of the ISM and Accretion in High Redshift Galaxies***Seiji Fujimoto**: *Demonstrating A New Census of Infrared Galaxies with ALMA (DANCING-ALMA). I. FIR Size and Luminosity Relation at  $z=0-6$* **Axel Weiss**: *Determining the Molecular Gas Mass in High- $z$  and Local Starbursts***David Frayer**: *ALMA, GBT, and VLA Observations of SCUBA's First SMG SMM J02399-0136***Poster talks:****Soh Ikarashi**: *Empirical relations between the nature of SMGs and their millimeter sizes revealed by ALMA***Gabriela Calistro Rivera**: *Probing the star-forming ISM at  $z \sim 2-3$  with sub-arcsec resolution***Carlos Gomez-Guijarro**: *Stars and dust distribution unveil minor mergers in SMGs at  $z \sim 4.5$* **Kevin Harrington**: *Using CO as a Physical Probe of the SF Supply in the Extremely IR-Luminous Planck-LMT Identified Sources***Asantha Cooray**: *Origins Space Telescope***15.20 – 15.55 Break****15.55 – 17.25 Talks, chaired by Loretta Dunne****Jacqueline Hodge\***: *Recent results from ALMA on submm galaxies and dusty star-forming galaxies at high redshifts***Chris Hayward**: *The physical nature of SMG multiplicity***Elizabeth Cooke**: *Presenting the largest sample of ALMA-detected SMGs***Bitten Gullberg**: *High resolution ALMA imaging of SMGs***17.25 End****19.00 Conference dinner at Durham Castle**

**Wednesday August 2nd****9.00 – 10.35 Talks, chaired by Amy Barger**

**Dominik Riechers\***: *Physical Properties of Dusty Hyper-Luminous Starburst Back to the First Billion Years of Cosmic Time*

**Joaquin Vieira**: *SPT SMGs: High-redshift star formation under the cosmic microscope*

**Matt Bothwell**: *ALMA observations of atomic carbon in  $z\sim 4$  dusty star-forming galaxies*

**Kirsten Knudsen**: *The challenge of studying the interstellar medium and star formation in  $z\sim 7$  galaxies*

**Poster talks:**

**Minju Lee**: *Radio-to-mm properties of star forming galaxies in a protocluster*

**Tai-An Cheng**: *Starbursting Galaxies in Candidate High- $z$  Clusters/Protoclusters*

**Jaclyn Champagne**: *Molecular Gas Content of SMGs in a  $z=2.5$  Starbursting Protocluster*

**Helmut Dannerbauer**: *The surprising existence of a large, massive CO disk in a distant, gas-rich protocluster*

**10.35 – 11.10 Break****11.10 – 12.40 Talks, chaired by Kristen Coppin**

**Alex Pope\***: *Signatures of supermassive black hole growth in high redshift dusty galaxies*

**Manda Banerji**: *Heavily Reddened Quasars: Observing the Connection Between Star-Formation & AGN Activity In-Situ*

**Chelsea Sharon**: *The Evolutionary Connection Between SMGs and AGN as Probed by Molecular Gas Excitation*

**Benny Trakhtenbrot**: *ALMA Observations Reveal Major Mergers Among the Host Galaxies of Fast-growing, High-redshift Supermassive Black Holes*

**12.40 – 13.45 Lunch break****13.45 – 15.30 Talks, chaired by Paul van der Werf**

**Caitlin Casey\***: *The ubiquity of coeval starbursts in massive galaxy cluster progenitors*

**Hideki Umehata**: *ALMA Deep Field in SSA22*

**Yuichi Matsuda**: *The environment of submillimetre galaxies*

**Discussion & wrap up** (Julie Wardlow)

**15.30 End**